



STATE OF ALABAMA

DEPARTMENT OF FINANCE
DIVISION OF PURCHASING

INVITATION TO BID

INVITATION TO BID NO: 10-R-2220697

REQ. AGENCY : 004004
DEPT OF CONSERV & NATURAL RESOURCES
AGENCY REQ. NO. : 033371
T-NUMBER :
DATE ISSUED : 07/23/10
VENDOR NO. :
VENDOR PHONE NO. :
SNAP REQ. NO. : 1444750
BUYER NAME : SUSAN JANA

FOR: BARGE / DI BIOLOGICAL

BUYER PHONE NO. : (334) 242-7173-
PURCHASING PHONE NO: (334) 242-7250

BID MUST BE RECEIVED BEFORE:
DATE: 08/12/10 TIME: 5:00 PM

BIDS WILL BE PUBLICLY OPENED:
DATE: 08/13/11 TIME: 10:00 AM

TO BE COMPLETED BY VENDOR

INFORMATION IN THIS SECTION SHOULD BE PROVIDED, AS APPROPRIATE. BID RESPONSE
MUST BE IN INK OR TYPED WITH ORIGINAL SIGNATURE AND NOTARIZATION.

1. DELIVERY: CAN BE MADE _____ DAYS OR _____ WEEKS AFTER RECEIPT OF ORDER
2. TERMS: _____(DISCOUNTS ARE TAKEN WITHOUT REGARD TO DATE OF PAYMENT.)
3. PRICE VALID FOR ACCEPTANCE WITHIN _____ DAYS.
4. VENDOR QUOTATION REFERENCE NUMBER, IF ANY: _____
(THIS NUMBER WILL APPEAR ON THE PURCHASE ORDER.)
5. E-MAIL ADDRESS: _____
INTERNET WEBSITE: _____
6. GENERAL CONTRACTOR'S LICENSE NO: _____
TYPE OF G.C. LICENSE: _____

***** IMPORTANT NOTE: *****

BIDDERS MUST COMPLY WITH ALL "BID RESPONSE INSTRUCTIONS" ON PAGE 2, TO INCLUDE
ITEM 7 - COPY REQUIREMENT.

RETURN INVITATION TO BID:

US MAIL

COURIER

STATE OF ALABAMA
DEPARTMENT OF FINANCE
DIVISION OF PURCHASING
P O BOX 302620
MONTGOMERY, AL 36130-2620

STATE OF ALABAMA
DIVISION OF PURCHASING
RSA UNION BUILDING
100 N. UNION ST., SUITE 192
MONTGOMERY, AL 36104

SIGNATURE AND NOTARIZATION REQUIRED

I HAVE READ THE ENTIRE BID AND AGREE TO FURNISH EACH ITEM OFFERED AT THE PRICE QUOTED.
I HERBY AFFIRM I HAVE NOT BEEN IN ANY AGREEMENT OR COLLUSION AMONG BIDDERS IN
RESTRAINT OF FREEDOM OF COMPETITION BY AGREEMENT TO BID AT A FIXED PRICE OR TO
REFRAIN FROM BIDDING.

SWORN TO AND

FEIN OR SSN

AUTHORIZED SIGNATURE (INK)

SUBSCRIBED BEFORE ME THIS

COMPANY NAME

TYPE/PRINT AUTHORIZED NAME

_____ DAY OF _____

MAIL ADDRESS

TITLE

NOTARY PUBLIC

CITY, STATE, ZIP

TOLL FREE NUMBER

TERM EXP: _____

PHONE INCLUDING AREA CODE

FAX NUMBER

STANDARD TERMS & CONDITIONS

VENDOR NAME :

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AUTHORITY:

THE DEPARTMENT OF FINANCE CODE OF ADMINISTRATIVE PROCEDURE, CHAPTER 355-4-1 EFFECTIVE DECEMBER 20, 2001 IS INCORPORATED BY REFERENCE AND MADE A PART OF THIS DOCUMENT. TO RECEIVE A COPY CALL (334)242-7250, OR OUR WEBSITE WWW.PURCHASING.ALABAMA.GOV .

INFORMATION AND ASSISTANCE TO MINORITY AND WOMEN-OWNED BUSINESSES IN ACQUIRING M/WBE CERTIFICATION MAY BE OBTAINED FROM THE OFFICE OF MINORITY BUSINESS ENTERPRISE, 1-800-447-4191.

BID (ITB) RESPONSE INSTRUCTIONS

REV: 01/14/10

1. TO SUBMIT A RESPONSIVE BID, READ THESE INSTRUCTIONS, ALL TERMS, CONDITIONS AND SPECIFICATIONS.
2. BID ENVELOPES/PACKAGES/BOXES MUST BE IDENTIFIED ON FRONT, PREFERABLY LOWER LEFT CORNER AND BE VISIBLE WITH THE BID NUMBER AND OPENING DATE. EACH INDIVIDUAL BID (IDENTIFIED BY A UNIQUE BID NUMBER) MUST BE SUBMITTED IN A SEPARATE ENVELOPE. RESPONSES TO MULTIPLE BID NUMBERS SUBMITTED IN THE SAME ENVELOPE/COURIER PACKAGE, THAT ARE NOT IN SEPARATE ENVELOPES PROPERLY IDENTIFIED, WILL BE REJECTED. THE DIVISION OF PURCHASING DOES NOT ASSUME RESPONSIBILITY FOR LATE BIDS FOR ANY REASON INCLUDING THOSE DUE TO POSTAL, OR COURIER SERVICE. BID RESPONSES MUST BE IN THE DIVISION OF PURCHASING OFFICE PRIOR TO THE "RECEIVE DATE AND TIME" INDICATED ON THE BID.
3. BID RESPONSES (PAGE 1, PRICE SHEET AND ADDENDUMS (WHEN SIGNATURE IS REQUIRED)) MUST BE IN INK OR TYPED ON THIS DOCUMENT. OR EXACT FORMAT WITH SIGNATURES BEING HANDWRITTEN ORIGINALS IN INK (PERSON SIGNING BID, NOTARY, AND NOTARY EXPIRATION), OR THE BID WILL BE REJECTED. UNLESS INDICATED IN THE BID, ALL PRICE PAGES MUST BE COMPLETED AND RETURNED. IF AN ITEM IS NOT BEING BID, IDENTIFY IT AS NB (NO-BID). PAGES SHOULD BE SECURED. THE DIVISION OF PURCHASING DOES NOT ASSUME RESPONSIBILITY FOR MISSING PAGES. FAXED BID RESPONSES WILL NOT BE ACCEPTED.
4. THE UNIT PRICE ALWAYS GOVERNS REGARDLESS OF THE EXTENDED AMOUNT. A UNIT PRICE CHANGE ON A LINE MUST BE INITIALED BY THE PERSON SIGNING THE BID, OR THAT LINE WILL BE REJECTED. THIS INCLUDES A CROSS-OUT, STRIKE-OVER, INK-OVER, WHITE-OUT, ERASURE, OR ANY OTHER METHOD CHANGING THE PRICE.
5. A "NO BID" MUST BE RETURNED TO REMAIN ON A CLASS/SUBCLASS. RETURN PAGE 1 OR NOTIFICATION PAGE MARKED "NO-BID". IDENTIFY IT ON THE ENVELOPE AS A "NO-BID". FAILING TO RESPOND TO 3 ITB'S WITHIN THE SAME CLASS/SUBCLASS WILL AUTOMATICALLY PURGE THE VENDOR FROM THAT CLASS/SUBCLASS. RESPONDING WITH 6 "NO-BIDS" WITHIN THE SAME CLASS/SUBCLASS WILL AUTOMATICALLY PURGE THE VENDOR FROM THAT CLASS/SUBCLASS. A "NO-BID" RECEIVED LATE IS CONSIDERED A NO RESPONSE.
6. THE DIVISION OF PURCHASING IS NOT RESPONSIBLE FOR MISINTERPRETATION OF DATA FAXED FROM THIS OFFICE.
7. THE DIVISION OF PURCHASING REQUIRES AN ORIGINAL AND A MINIMUM OF ONE COMPLETE EXACT COPY (TO INCLUDE SIGNATURE AND NOTARY) OF THE INVITATION-TO-BID RESPONSE. THE ORIGINAL AND THE COPY SHOULD BE SUBMITTED TOGETHER AS A BID PACKAGE. FAILURE TO MARK RESPONSES AS "ORIGINAL" AND/OR "COPY" COULD RESULT IN THE ENTIRE BID RESPONSE BEING REJECTED.
8. AN IMPROPERLY SUBMITTED BID, LATE BID, OR BID THAT IS CANCELLED ON OR BEFORE THE OPENING DATE WILL BE HELD FOR 90 DAYS AND THEN DESTROYED. THE BID MUST BE RETRIEVED DURING REGULAR WORK HOURS, MONDAY - FRIDAY, EXCEPT STATE HOLIDAYS. AFTER THE BID IS DESTROYED, THE DIVISION OF PURCHASING ASSUMES NO RESPONSIBILITY FOR THE DOCUMENT.

DISQUALIFIED/CANCELLED BID

BIDS THAT ARE IMPROPERLY SUBMITTED OR RECEIVED LATE WILL BE A RESPONSE FOR RECORD, BUT WILL NOT BE RETURNED OR A NOTIFICATION MAILED.

THE FOLLOWING IS A PARTIAL LIST WHEREBY A BID RESPONSE WILL BE DISQUALIFIED:

BID NUMBER NOT ON FACE OF ENVELOPE/COURIER PACKAGE/BOX
RESPONSES TO MULTIPLE BID NUMBERS IN SAME ENVELOPE NOT PROPERLY IDENTIFIED
BID RECEIVED LATE
BID NOT SIGNED/NOT ORIGINAL SIGNATURE
BID NOT NOTARIZED/NOT ORIGINAL SIGNATURE OF NOTARY AND/OR NO NOTARY EXPIRATION
NOTARIZED OWN SIGNATURE
REQUIRED INFORMATION NOT SUBMITTED WITH BID
FAILURE TO SUBMIT THE ORIGINAL BID AND A COMPLETE EXACT COPY

CERTIFICATION PURSUANT TO ACT NO. 2006-557

ALABAMA LAW (SECTION 41-4-116, CODE OF ALABAMA 1975) PROVIDES THAT EVERY BID SUBMITTED AND CONTRACT EXECUTED SHALL CONTAIN A CERTIFICATION THAT THE VENDOR, CONTRACTOR, AND ALL OF ITS AFFILIATES THAT MAKE SALES FOR DELIVERY INTO ALABAMA OR LEASES FOR USE IN ALABAMA ARE REGISTERED, COLLECTING, AND REMITTING ALABAMA STATE AND LOCAL SALES, USE, AND/OR LEASE TAX ON ALL TAXABLE SALES AND LEASES INTO ALABAMA. BY SUBMITTING THIS BID, THE BIDDER IS HEARBY CERTIFYING THAT THEY ARE IN FULL COMPLIANCE WITH ACT NO. 2006-557, THEY ARE NOT BARRED FROM BIDDING OR ENTERING INTO A CONTRACT PURSUANT TO 41-4-116, AND ACKNOWLEDGES THAT THE AWARDING AUTHORITY MAY DECLARE THE CONTRACT VOID IF THE CERTIFICATION IS FALSE.

SPECIAL TERMS & CONDITIONS

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INTENT TO AWARD

EFFECTIVE MAY 1, 2008, THE STATE OF ALABAMA - DIVISION OF PURCHASING WILL ISSUE AN 'INTENT TO AWARD' BEFORE A FINAL AWARD IS MADE. THE 'INTENT TO AWARD' WILL CONTINUE FOR A PERIOD OF FIVE (5) CALENDAR DAYS, AFTER WHICH A PURCHASE ORDER WILL BE PRODUCED. UPON FINAL AWARD, ALL RIGHTS TO PROTEST ARE FORFEITED. A DETAILED EXPLANATION OF THIS PROCESS MAY BE REVIEWED IN THE ALABAMA ADMINISTRATIVE CODE - CHAPTER 355-4-1(14).

ALTERNATE BID RESPONSE

UNLESS STATED ELSEWHERE IN THIS INVITATION-TO-BID (ITB) THE STATE OF ALABAMA WILL ACCEPT AND EVALUATE ALTERNATE BID SUBMITTALS ON ANY ITB'S. ALTERNATE BID RESPONSES WILL BE EVALUATED ACCORDING TO THE REQUIREMENTS AS ALL OTHER RESPONSES TO THIS ITB.

INTERNET WEBSITE LINK'S

INTERNET AND/OR WEBSITE LINKS WILL NOT BE ACCEPTED IN BID RESPONSES AS A MEANS TO SUPPLY ANY REQUIREMENTS STATED IN THIS ITB (INVITATION-TO-BID).

PRODUCT DELIVERY, RECEIVING AND ACCEPTANCE

IN ACCORDANCE WITH THE UNIVERSAL COMMERCE CODE (CODE OF ALABAMA, TITLE 7), AFTER DELIVERY, THE STATE OF ALABAMA HAS THE RIGHT TO INSPECT ALL PRODUCTS BEFORE ACCEPTING. THE STATE WILL INSPECT PRODUCTS IN A REASONABLE TIMEFRAME. SIGNATURE ON A DELIVERY DOCUMENT DOES NOT CONSTITUTE ACCEPTANCE BY THE STATE. THE STATE WILL ACCEPT PRODUCTS ONLY AFTER SATISFACTORY INSPECTION.

SALES TAX EXEMPTION

PURSUANT TO THE CODE OF ALABAMA, 1975, TITLE 40-23-4 (A) (11), THE STATE OF ALABAMA IS EXEMPT FROM PAYING SALES TAX. AN EXEMPTION LETTER WILL BE FURNISHED UPON REQUEST.

INVOICES

INQUIRIES CONCERNING PAYMENT AFTER INVOICES HAVE BEEN SUBMITTED ARE TO BE DIRECTED TO THE RECEIVING AGENCY, NOT THE DIVISION OF PURCHASING

BID RESPONSES AND BID RESULTS

UNEVALUATED BID RESPONSES (NOT BID RESULTS) ARE AVAILABLE ON OUR WEB SITE AT WWW.PURCHASING.ALABAMA.GOV. BID RESULTS WILL BE MADE AVAILABLE FOR REVIEW IN THE DIVISION OF PURCHASING OFFICE, BUT ONLY AFTER THE BID HAS BEEN AWARDED. WE DO NOT FAX OR MAIL COPIES OF BID RESULTS. IF A VENDOR WISHES TO REVIEW BID RESULTS IN OUR OFFICE, THEY SHOULD FAX THEIR REQUEST TO REVIEW THE BID TWO DAYS IN ADVANCE TO THE "BID REVIEW CLERK" AT (334) 242-4419. BE SURE TO REFERENCE THE BID NUMBER.

FOREIGN CORPORATION - CERTIFICATE OF AUTHORITY

ALABAMA LAW PROVIDES THAT A FOREIGN CORPORATION (AN OUT-OF-STATE COMPANY/FIRM) MAY NOT TRANSACT BUSINESS IN THE STATE OF ALABAMA UNTIL IT OBTAINS A CERTIFICATE OF AUTHORITY FROM THE SECRETARY OF STATE. SECTION 10-2B-15.01, CODE OF ALABAMA 1975. TO OBTAIN FORMS FOR A CERTIFICATE OF AUTHORITY, CONTACT THE SECRETARY OF STATE, CORPORATIONS DIVISION, (334) 242-5324. THE CERTIFICATE OF AUTHORITY DOES NOT KEEP THE VENDOR FROM SUBMITTING A BID.

BID IDENTIFICATION

REFERENCE PAGE 2, ITEM 2. DUE TO THE POSTAL SERVICE PUTTING BAR CODE LABELS ON ENVELOPES, IT CONCEALS THE BID NUMBER AND DATE IF THE VENDOR HAS WRITTEN THEM OTHER THAN THE LOWER LEFT CORNER, THEREFORE THE BID WOULD BE REJECTED FOR NOT BEING PROPERLY IDENTIFIED.

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AWARD:

AWARD WILL BE MADE "ALL OR NONE" TO THE LOWEST RESPONSIBLE BIDDER MEETING ALL SPECIFICATIONS.

DRAWINGS:

THE AWARDED VENDOR MUST SUBMIT CONCEPTUAL DRAWINGS TO THE AGENCY WITHIN TWO WEEKS AFTER FINAL AWARD. FAILURE TO SUBMIT DRAWINGS THAT MEET SPECIFICATIONS OR FAILURE TO SUBMIT DRAWINGS IN A TIMELY MANNER WILL RESULT IN AWARD CANCELLATION.

FREIGHT:

BID IS F.O.B. DESTINATION. ANY FREIGHT CHARGES MUST BE INCLUDED IN THE UNIT BID PRICE AND NOT SHOWN SEPARATELY ON THE ITB OR INVOICE.

PAYMENT:

PAYMENT WILL NOT BE MADE UNTIL AFTER FINAL INSPECTION AND TRIALS HAVE BEEN MADE AND UNTIL AFTER A CORRECT INVOICE HAS BEEN RECEIVED.

MANUFACTURER/MODEL NUMBERS:

AT THE END OF EACH ITEM WHERE SPACES ARE MARKED "MFR" AND "MODEL", VENDORS MUST INDICATE THE MANUFACTURER & ALL STOCK/MODEL NUMBERS NECESSARY TO COMPLETE EACH UNIT AS SPECIFIED.

THIS INFORMATION MUST BE COMPLETED, EVEN IF BIDDING THE RECOMMENDED MFR/MODEL, OR THE BID WILL BE REJECTED.

DESCRIPTIVE LITERATURE:

THE BRANDS AND MODEL NUMBERS REFERENCED PROVIDE A LEVEL OF QUALITY, AND UNLESS OTHERWISE SPECIFIED, ARE NOT RESTRICTIVE. VENDORS BIDDING ALTERNATE ITEMS MUST PROVIDE COMPLETE DESCRIPTIVE/TECHNICAL LITERATURE WITH BOTH THE ORIGINAL AND REQUIRED COPY OF THE BID. REFERENCE TO A WEBSITE OR TO LITERATURE WITH A PREVIOUS BID WILL NOT SATISFY THIS REQUIREMENT.

FAILURE TO SUBMIT LITERATURE WITH THE ORIGINAL AND/OR REQUIRED COPY OF THE BID OR TO SUBMIT LITERATURE WHICH DEMONSTRATES THAT THE ALTERNATE ITEM MEETS/EXCEEDS ALL SPECIFICATIONS WILL RESULT IN BID REJECTION.

PHYSICAL INSPECTION AND OPERATIONAL EVALUATION MAY ALSO BE REQUIRED WITHOUT COST OR OBLIGATION TO THE STATE OF ALABAMA.

MATERIALS, SUPPLIES OR EQUIPMENT:

ALL MATERIALS, SUPPLIES OR EQUIPMENT BEING BID AND DELIVERED TO THE STATE SHALL BE NEW, UNUSED, OF RECENT MANUFACTURE, FIRST CLASS IN EVERY RESPECT, AND SUITABLE FOR THEIR INTENDED PURPOSE.

REQUESTED INFORMATION:

ANY ADDITIONAL INFORMATION REQUESTED FROM A VENDOR MUST BE FURNISHED WITHIN FIVE (5) BUSINESS DAYS FROM RECEIPT OF REQUEST.

WARRANTY INFORMATION:

EQUIPMENT SHALL BE WARRANTED FOR A MINIMUM OF TWELVE (12) MONTHS. * WARRANTY SHALL COVER ALL PARTS, LABOR & FREIGHT COST ASSOCIATED WITH REPAIRS AND/OR REPLACEMENT OF DEFECTIVE EQUIPMENT. ACCIDENTS, MISUSE AND NEGLIGENCE ARE NOT COVERED BY THIS WARRANTY. THE WARRANTY SHALL COMMENCE ON THE DATE THE EQUIPMENT IS PUT INTO SERVICE BY THE USING AGENCY. VENDOR WILL USE WHATEVER MEANS REQUIRED TO FACILITATE THIS WARRANTY, AND WILL INSURE TOTAL SATISFACTORY PERFORMANCE TO THE USING AGENCY.

* EXCEPTIONS TO THE 12-MONTH WARRANTY ARE NOTATED WITHIN THE BID SPECIFICATIONS.

DEMONSTRATION, SEA TRIALS, VESSEL NAME, FINAL INSPECTION:

VENDOR MUST PROVIDE DEMONSTRATION OF PUMPS, STEERING PUMP AND GEAR, MAIN ENGINE AND GENERATORS, ALL HYDRAULIC EQUIPMENT, ALL ELECTRONICS, AND EACH APPLIANCE INSTALLED, UPON DELIVERY OF BARGE.

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VENDOR MUST PROVIDE A SEA TRIAL, CONSISTING OF A ONE-HOUR ENDURANCE TEST OF THE MAIN PROPULSION ENGINE, CRASH STOPS AND MANEUVERS, AND A REPORT OF THE SEA TRIAL PRODUCED BY THE ENGINE MANUFACTURER.

VESSEL NAME AND HAILING PORT TO BE PAINTED. OFFICIAL NUMBER IS TO BE PAINTED & PUNCHED ON ENGINE ROOM FORWARD BULKHEAD PER USGC REGULATIONS AND PAINTED VISIBLE FROM THE PILOT HOUSE ROOF.

AFTER THE DEMONSTRATION AND SEA TRIALS HAVE BEEN COMPLETED AND ANY DEFICIENCIES CORRECTED, THE VESSEL WILL BE THOROUGHLY CLEANED AND MADE READY FOR SEA AND DELIVERED TO THE AGENCY.

ATTACHMENTS

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***** IMPORTANT INFORMATION *****

IT IS THE VENDOR'S RESPONSIBILITY TO READ THIS ENTIRE DOCUMENT FROM BEGINNING TO END AND TO COMPLY WITH ALL INSTRUCTIONS AND TERMS AND CONDITIONS OF THE ITB.

REMINDER: BIDDERS MUST SUBMIT AN ORIGINAL AND A MINIMUM OF ONE EXACT, COMPLETE COPY (INCLUDING SIGNATURE, NOTARY, AND LITERATURE) OF THE BID, AS SHOWN ON PAGE 2 OF THE ITB, OR THE BID WILL BE REJECTED.

REMINDER: VENDORS MUST COMPLETE THE MFR/MODEL LINES, EVEN IF BIDDING THE RECOMMENDED MFR/MODEL, OR THE BID WILL BE REJECTED.

SPECIFICATION QUESTIONS MUST BE SUBMITTED, IN WRITING, TO THE AGENCY: JOHN MARESKA @ JOHN.MARESKA@DCNR.ALABAMA.GOV

FOR PROCEDURAL QUESTIONS, CONTACT THE BUYER: SUSAN JANA @ (334) 242-7173 OR SUSAN.JANA@PURCHASING.ALABAMA.GOV

REMINDER: CHANGES TO SPECIFICATIONS MAY ONLY BE DONE VIA A WRITTEN ADDENDUM. VERBAL SPECIFICATION CHANGES ARE NOT ALLOWED.

PRICE SHEET

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LINE NO.	COMMODITY/SERVICE DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED AMOUNT
<p>UNLESS SPECIFIED OTHERWISE BELOW:</p> <p>SHIP TO: 004004 / 004M08</p> <p>DEPT OF CONSERV & NATURAL RESOURCES</p> <p>MARINE RESOURCES DIVISION</p> <p>2 N IBERVILLE ST</p> <p>DAUPHIN ISLAND AL 36528</p>					
00001	COMMODITY CODE: 120-20-086941 CUSTOM BUILT SELF-PROPELLED BARGE WITH THE FOLLOWING MINIMUM SPECIFICATIONS:	1	LOT		
<p>*****</p> <p>SECTION 1.0 OVERVIEW OF VESSEL</p> <p>SECTION 1.1 VESSEL DIMENSIONS</p> <p>LENGTH OVERALL 40' - 0"</p> <p>MOLDED BEAM 15' - 0", DRAFT (MAX</p> <p>LIGHT) 3' - 0".</p> <p>SECTION 1.2 VESSEL PLANS</p> <p>CLASSIFICATIONS: THE HULL CONSTRUCTION</p> <p>INSTALLATION OF EQUIPMENT. MACHINERY</p> <p>PIPING AND ELECTRICAL SYSTEMS WILL BE</p> <p>CARRIED OUT TO CONFORM TO ACCEPTABLE</p> <p>SHIPBUILDING PRACTICES, AND IN</p> <p>ACCORDANCE WITH THE APPLICABLE INDUSTRY</p> <p>STANDARDS. VESSEL MUST MEET ALL USCG</p> <p>REQUIREMENTS FOR A VESSEL OF THIS SIZE.</p> <p>THE WELDING SHALL CONFORM TO REQUIRE-</p> <p>MENTS OF ABS CLASS FOR VESSELS UNDER 90</p> <p>METERS; HOWEVER VESSEL IS NOT TO BE</p> <p>SURVEYED UNDER C CONSTRUCTION OF CLASS.</p> <p>CERTIFICATION: CERTIFICATES OF</p> <p>COMMUNICATION FOR RADIO TRANSMISSIONS</p> <p>ABOARD THE VESSEL SHALL BE SECURED BY</p> <p>THE OWNER</p> <p>MATERIALS AND WORKMANSHIP: ALL</p> <p>MATERIAL AND EQUIPMENT UTILIZED IN</p> <p>CONSTRUCTION SHALL BE OF RECOGNIZED</p> <p>STANDARDS AND MARINE GRADE QUALITY.</p> <p>MATERIAL AND WORKMANSHIP MAY BE</p> <p>INSPECTED THROUGHOUT THE CONSTRUCTION</p> <p>BY OWNER OR A REPRESENTATIVE, WHOM</p> <p>WILL BE GRANTED ACCESS TO THE VESSEL.</p> <p>SECTION 1.3 HULL CONSTRUCTION AND</p> <p>MATERIAL</p> <p>THE HULL OF THE VESSEL SHALL BE OF</p> <p>SINGLE CHINE TYPE, AFT SLOPING DEAD-</p> <p>RISE. ALUMINUM PLATE AND STRUCTURALS</p> <p>SHALL BE UTILIZED IN THE CONSTRUCTION OF</p> <p>THE VESSEL'S HULL. PLATING TO BE 5086</p> <p>MARINE GRADE ALUMINUM. STRUCTURALS TO</p> <p>BE 6061 MARINE GRADE ALUMINUM. CARE</p> <p>SHALL BE TAKEN TO ISOLATE ALL OTHER</p> <p>METAL MATERIAL FROM THE ALUMINUM TO</p> <p>ELIMINATE GALVANIC DETERIORATION OF</p> <p>ALUMINUM HULL AND COMPONENTS.</p> <p>SECTION 1.4 DECK AWNING</p>					
PAGE TOTAL					

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BOW DECK TO BE COVERED BY CANVAS
AWNING SUPPORTED BY 1 1/2"
ALUMINUM TUBING UPRIGHTS AND
3/4" TUBING TOP RAIL. UPRIGHTS
TO BE FITTED WITH PINS TO
SUPPORT 3/4" X 8' BOARDS. CENTER
TUBE IS TO BE SUFFICIENT TO SUPPORT
BLOCKS THAT ARE PART OF DREDGE'S
RETRIEVAL.

SECTION 1.5 FRAMING AND PLATING
THE VESSEL SHALL HAVE TRANSVERSE
FRAMING ON 24" CENTERS.
LONGITUDINAL BEAMS AS SUFFICIENT
SHALL BE INSTALLED 18" OFF CENTERLINE
LONGITUDINALLY TO REINFORCE AND
SUPPORT MAIN DECK PLATING OF THE
VESSEL. THE MAIN DECK WILL BE
INSTALLED WITH 6" OF CAMBER TO
ALLOW FOR DECK ROLL-OFF.
LONGITUDINAL BULKHEADS SHALL BE
INCORPORATED. FRAMING SHALL BE
STRUCTURAL ANGLES. LIMBER HOLES AND
AIR SNIPES SHALL BE CUT IN
STRUCTURAL MEMBERS FOR DRAINAGE
OF WATER AND ELIMINATION OF AIR
POCKETS. FOLLOWING ARE PLATE AND
FRAMING SIZES FOR THE VESSEL.

VESSEL PLATING
BOTTOM PLATING, TRANSOM, SIDESHELL,
MAIN DECK, ROOF, AND INTERNAL
BULKHEADS: 5/16" ALUMINUM PLATE
AFT BOTTOM NEAR STEERING GEAR
1/2" ALUMINUM PLATE
PILOT HOUSE: BOW PLATE 5/16" SIDE
AND AFT 1/4" ALUMINUM PLATE

STRUCTURAL MATERIAL
FRAMES 2 X 3 X 1/4" ANGLE ON 18"
TRANSVERSE CENTERS
KEEL 1" X 6" FLAT BAR W. 1/3" X 3"
T-KEEL
RUMBOLD 4.5" SCHEDULE 80 SPLIT
PIPE; SINGLE-RUN INSTALLED
BULKHEAD VERTICAL STIFFENERS
2 X 3 X 1/4" ANGLE
ENGINE GRIDERS 1/2" PLATE
ENGINE RIDER PLATE 3/4" X 6" F/BAR
SUPERSTRUCTURE FRAMES
2 X 3 X 1/4" ANGLE 1/4" X 2" F/BAR
SUPERSTRUCTURE ROOF
2 X 3 X 1/4" ANGLE

SECTION 1.6 CAPACITIES
FUEL 1400 GALLONS, FRESH WATER
300 GALLONS

SECTION 1.7 HATCHES
THE BUILDER SHALL FURNISH AND INSTALL UP
TO 3 18" SINGLE-BOLT MANHOLES TO
ACCESS COMPARTMENTS, STEERING ROOM,

PAGE TOTAL

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AND PASSAGEWAYS THROUGH MAIN DECK, WHERE APPLICABLE. BUILDER SHALL FURNISH AND INSTALL 18" MULTI-BOLT MANHOLES TO ACCES EACH FUEL TANK FROM THE ENGINE ROOM, BALLAST TANKS OIL RESERVOIRS, AND ALL POTABLE WATER TANKS.

SECTION 1.8 DOORS
EXTERIOR DOORS SHALL BE AS FOLLOWS:
2 ALUMINUM DOORS OPENING TO THE STERN ON BOTH SIDES OF THE PILOT HOUSE WITH ALUMINUM FRAME AND WINDOWS.

SECTION 1.9 WINDOWS AND PORTS
PILOT HOUSE WINDOWS TO BE AS FOLLOWS
RUBBER MOUNTED 3/8" TEMPERED MONOLITHIC GLASS. FORWARD PILOT HOUSE WINDOWS ARE TO BE PROTECTED FROM SPRAY OF WATER CANON BY A FLIP UP SHIELD OF SUITABLE MATERIAL HINGED ABOVE WINDOWS AND SECURED IN THE UP POSITION BY TWO ALUMINUM RODS ANGLED AGAINST THE FRONT OF THE VESSEL. SHIELD MUST HAVE AN 18" X 18" REINFORCED PLEXIGLAS PORTAL CENTERED IN FRONT OF MIDDLE FRONT WINDOW. THREE FIXED WINDOWS ACROSS THE FRONT, ONE ADJOINING ON EACH SIDE OF THE FORWARD CORNERS, ONE (25" H X 18 1/2"W) CENTERED ON THE AFT WALL, ONE (26"H X 29 1/2"W) CENTERED ABOVE COUNTER TOP ALONG STARBOARD SIDE, AND ONE 12" 3-DOG PORTLIGHT WITH SCREEN MOUNTED 6 FOOT OFF FLOOR IN THE HEAD. AFT WINDOW, HELM SIDE WINDOWS, AND STARBOARD WINDOW TO HAVE SLIDE OPEN CAPABILITY.

SECTION 1.10 PILOTHOUSE
EXTERIOR DIMENSIONS TO BE 14' IN LENGTH 10' IN WIDTH AND 9' IN HEIGHT FROM MAIN DECK. INTERIOR HEIGHT TO BE 7'. PILOT HOUSE ROOF TO EXTEND TO MAIN DECK WIDTH AND 18" OVER AFT WALLS. BOW WINDOWS TO BE TILTED FORWARD. 4" CAP ON OVERHANG. STEPS WILL BE INSTALLED ALLOWING ACCESS UP TO PILOT HOUSE DOORS FROM FORE AND AFT OF VESSEL. THE FOLLOWING GALLEY EQUIPMENT SHALL BE PROVIDED AND INSTALLED: MICROWAVE, 1.7 CUBIC FOOT REFRIGERATOR, STAINLESS STEEL SINK AND TOILET.

HELM CONSOLE
CONSOLE COUNTER SHALL BE 35" FROM THE FLOOR, 24" DEEP (SEE BELOW FOR ANGLED STEERING WHEEL), AND SPAN

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THE ENTIRE WIDTH OF THE PILOT HOUSE. THE CENTER 24" IN WHICH THE 20" STEERING WHEEL WILL BE CENTERED WILL BE ANGLED UP 30 DEGREES TOWARD THE FRONT WINDOW. BASE OF THE STEERING COLUMN SHOULD BE INSTALLED 2" FROM THE LOWER EDGE OF THE THE ANGLED COUNTER. THREE 32H X 18"W CABINET DOORS SHALL BE INSTALLED EQUIDISTANTLY ON THE STARBOARD HALF OF THE OUTWARD FACING CONSOLE. ONE 32" X 18" CABINET SHALL BE INSTALLED ON THE PORT HALF OF THE CONSOLE RESERVING THE CENTERMOST AREA OF THE PORT HALF FOR FUSE PANEL, INSTRUMENTATION, AND VESSEL TOGGLE SWITCHES, PLACEMENT OF SWITCHES, INSTRUMENTS, GAUGES, AND RADIOS TO BE SPECIFIED BY OWNER.

STARBOARD COUNTER TOP AND SINK COUNTERTOP ALONG STARBOARD SIDE OF VESSEL SHALL BE 84"L X 37"H X 24"D. SINK AREA SHALL BE CONTINUOUS WITH THE WORKING COUNTER IN A "L" CONFIGURATION ALONG THE AFT WALL AND SHALL BE 24" L X 37"H X 24"D. SINK SHALL BE AS LARGE AS POSSIBLE WITH A SWIVELING FAUCET AND DISH HOSE. TWO CABINET DOORS SHALL BE INSTALLED UNDER SINK. CUBBY HOLE SHALL BE INSTALLED UNDER THE FORE-MOST SECTION OF THE STARBOARD COUNTER. IT SHALL BE NO LESS THAN 21 7/8" H X 19 5/16"W TO ACCOMMODATE LARGEST 1.7 CUBIC FOOT MINI FRIDGE AVAILABLE (MEASUREMENTS ABOVE INCLUDE 1" EXTRA CLEARANCE FOR HEAT DISSIPATION) AND SHALL HAVE AN ELECTRICAL OUTLET INSTALLED. CUBBY ABOVE A MINI FRIDGE SHALL ACCOMMODATE A MID TO SMALL SIZE MICROWAVE OVEN. FOUR 7" HIGH DRAWERS STACKED 2 DOWN BY 2 ACCROSS ABOVE 2 CABINETS SHALL BE INSTALLED UNDER THE COUNTER. LENGTH WILL BE DETERMINED BY REMAINING SPACE BETWEEN MICROWAVE FRIDGE CUBBY AND THE SINK "L". TWO ELECTRICAL OUTLETS SHALL BE INSTALLED ON STARBOARD WALL ABOVE COUNTERTOP. HEAD RESTROOM SHALL BE 48" FROM THE PORT WALL X 52" FROM THE AFT WALL. RESTROOM DOOR SHALL BE INSTALLED ON FORWARD WALL. TOILET SHALL BE INSTALLED ON AFT WALL.

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SECTION 1.11 INCLINED LADDERS
ALUMINUM INCLINED LADDERS W/F/BAR
STRINGERS AND SAFETY TREAD STEPS
SHALL BE INSTALLED FOR ACCESS TO
ENGINE ROOM. ALL INCLUDED LADDERS
TO BE PROVIDED WITH 1 - 1/4" GALV.
PIPE HANDRAIL.

SECTION 1.12 DECK FITTINGS
BITTS AND CHOCKS SHALL BE LOCATED AT
BOW, STERN, AND MID-SHIP ON BOTH SIDES
OF THE BARGE.

SECTION 1.13 FREEING PORTS
LOCATION OF FREEING PORTS SHALL BE AT
THE VENDOR'S DISCRETION

SECTION 1.14 DIVE AND CULTIVATOR
PLATFORM
THE MAIN DECK WILL STEP DOWN TO A 5' X
15' FLAT FANTAIL DECK AT THE STERN OF
THE VESSEL TO ALLOW DIVERS ACCESS AND
STORAGE OF CULTIVATOR. (2) FANTAIL
RAILINGS, (4) GRAB HANDLES, AND (4) TIE
DOWNS TO BE PLACED AT LOCATION CHOSEN BY
THE AGENCY DURING TIME OF CONSTRUCTION.

SECTION 1.15 DREDGE TABLES
TWO STAINLESS STEEL DREDGE TABLES WILL
BE FABRICATED AND INSTALLED ON THE STAR-
BOARD AND PORT SIDES OF THE FORWARD
QUARTER OF THE MAIN DECK
OF THE MAIN DECK PER THE OWNERS
INSTRUCTIONS.

DREDGE SPECIFICATIONS: ROLLER 4'
BLACK IRON WITH BEARINGS, LEGS, AND
BRACING 1 1/2" ALUMINUM TUBING, TOP
3/16" STAINLESS STEEL SHEETING.

SECTION 1.16 RIGGING
A KANGAROO BOOM IS TO BE INSTALLED
ENABLING THE VESSEL TO
CULTIVATE FROM THE STERN. BOOM IS
TO BE MOUNTED AND INSTALLED
FORWARD OF THE PROP ON THE TOP
OF THE PILOT HOUSE AND RUN AFT
BEYOND THE HOUSE STRUCTURE. ALL
RIGGING SHALL BE TO ACCOMMODATE
OPERATION AND TOWING CAPACITIES
OF EACH DREDGE (125LBS + TOWING
STRESS) AND CULTIVATOR BAR
(330 LBS + TOWING STRESS).

SECTION 2.0 STRUCTURAL AND AIR TESTING
THE BUILDER SHALL PROVIDE THE
MATERIALS AND LABOR TO PRESSURIZE
ALL INTEGRAL TANKS TO A MINIMUM
PRESSURE OF TWO POUNDS, TO CHECK FOR
WELD LEAKS BEFORE PRIMARY HULL

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COATINGS ARE APPLIED TO VESSEL.

SECTION 3.0 ELECTRICAL

SECTION 3.1 OVERVIEW

BUILDER SHALL INSTALL A 120/20A VOLT
ELECTRICAL POWER SYSTEM. SYSTEM
SHALL BE POWERED BY "ONAN MODEL
MDKBP DIESEL MARINE GENERATOR SET,
RATED 17KW", OR EQUAL. VESSEL
TO BE FITTED WITH POWER AND
DISTRIBUTION PANEL AS APPLICABLE.

SECTION 3.2 MAIN CABLE RACEWAY AND BULKHEAD PENETRATIONS

BUILDER SHALL INSTALL CABLE RUNS AS
DIRECTLY AS POSSIBLE, WITH CARE,
TO AVOID AREAS OF EXCESSIVE
MOISTURE, BILGE SPACES, AND
AREAS WHICH WOULD INTERFERE
WITH PLACEMENT OR OPERATION OF
MACHINERY AND EQUIPMENT.
APPROVED TYPE COMMERCIAL SOLDERLESS
LUGS SHALL BE UTILIZED FOR MOTOR
SEALING, GENERATOR AND BATTERY CABLE
ENDS. ALL WIRING TO BE MARINE
GRADE, I-EEE STANDARD.

SECTION 3.3 NAVIGATION LIGHTING

VESSEL SIDE LIGHT 2 - 12V AC BRONZE
BASE SINGLE LIGHT
STERN LIGHT 1 12V AC BRONZE BASE
LIGHT,
BOW LIGHT 1 12V AC BROZE BASE SINGLE
WHITE LIGHT
ANCHOR LIGHT 1 12V AC BROZE BASE
SINGLE WHITE "ALL-AROUND"
HORN LIGHT 1 AMBER FIXTURE PER
USCG LIGHT LIST INSTALLED
SPOTLIGHT 1 PERKO 12" DIA WHITE WITH
TWIST CONTROL

SECTION 3.4 DISTRIBUTION PANELS

THE DISTRIBUTION OF ELECTRICAL POWER
SHALL BE IN GENERAL ACCORDANCE WITH
CONCEPTUAL DRAWINGS SUBMITTED BY THE
VENDOR, EXCEPT FOR 1 FUSE PANEL, WHICH
WILL BE PLACED AS SPECIFIED IN 1.10.
THE ELECTRICAL DISTRIBUTION SYSTEM SHALL
BE 120 VOLTS. DC POWER SHALL BE SUPPLIED
BY BATTERIES. THE 12 VOLT BATTERY BANKS
MUST SUPPLY POWER TO THE REQUIRED ITEMS.
THE VENDOR SHALL FURNISH AND INSTALL (1)
AC AND (1) DC PANEL FOR DISTRIBUTION OF
POWER FROM THE PILOT HOUSE.

ALL ELECTRICAL GENERATOR UNITS, MOTORS,
AND DISTRIBUTION PANELS MUST BE GROUNDED
TO THE HULL OF THE VESSEL.

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SECTION 3.5 ENGINE ROOM VENTILATION
18" BLOWER WILL BE MOUNTED FOR INTAKE
AIR
12' BLOWER WILL BE MOUNTED FOR EXHAUST
AIR REMOVAL

SECTION 3.7 WORK DECK LIGHTING
GREEN LED LIGHTS TO BE INSTALLED
ON AFT SIDE OF PILOT HOUSE AND
EVERY 6 FEET ALONG CENTER LINE
OF SUPERSTRUCTURE OVER THE BOW
DECK

SECTION 3.8 ENGINE CONTROLS
ELECTRONIC CONTROLS, THROTTLE,
AND GEAR CONTROLS FOR MAIN
ENGINE SHALL BE MOUNTED AT THE
PILOT HOUSE CENTER CONSOLE AND
THE FORWARD MAIN DECK CONTROL
STATION.

SECTION 3.9 FUEL OIL SYSTEM
THE BUILDER SHALL INSTALL COMPLETE
FUEL OIL SYSTEM NECESSARY TO
SERVE THE ENGINES AND SHALL
SUPPLY NECESSARY FUEL FILLS,
VENTS, FILTERING, SUPPLY, AND
RETURN FUEL PIPING FROM TANKS
TO ENGINES. ALL ENGINES SHALL
BE CAPABLE OF DRAWING FROM ANY
DESIGNATED FUEL TANKS AND
RETURNING LIKEWISE. A SET OF
SINGLE "RACOR" FILTERS WILL BE
INSTALLED TO SERVICE EACH ENGINE.
THERE WILL BE A FUEL TRAP
INSTALLED BETWEEN FUEL TANKS
AND RACOR FILTERS TO CATCH
AND DRAIN WATER. A LOW POINT DRAIN
WILL BE INSTALLED IN THE BOTTOM
OF EACH FUEL TANK. A SIGHT
GAUGE SHALL BE INSTALLED IN
EACH FUEL TANK.

SECTION 3.10 ENGINE COOLING
ENGINES ARE TO BE ARRANGED FOR
KEEL COOLING. MAINE ENGINE AND
GENERATOR COOLERS SHALL BE
INSTALLED AND SIZED PER
MANUFACTURER'S RECOMMENDATION.

SECTION 4.0 MAIN ENGINE AND
REDUCTION

BUILDER SHALL FURNISH AND INSTALL
A TIER II COMPLIANT MAIN
PROPULSION ENGINE.
1-CUMMINS QSB5.9 - M RATED 230HP @
2600 RPM, OR EQUAL; TWIN DISC
MARINE GEAR #MG 5050SC 3:1 RATIO OR
EQUAL

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VENDOR TO PROVIDE GAUGE PANELS W/ WIRING
PLUGS, 4 - FLEXES, ENGINE, AND GEAR
MOUNTING HARDWARE.

SECTION 5.0 CAT. 1 PIPING

SECTION 5.1 STERN TUBE

THE STERN TUBE SHALL BE FABRICATED
FROM ALUMINUM MECHANICAL TUBE TO
HOUSE STERN BEARING AND STUFFING
BOX. STUFFING BOX PUSHER/FLANGE
AND BOLTS TO BE INSTALLED.

SECTION 5.2 STRUTS

STRUTS SHALL BE CONSTRUCTED
TO MEET THE NECESSARY HORSEPOWER
DRIVE TRAIN REQUIREMENTS OF THE VESSEL.

SECTION 5.3 RUDDER TUBE AND SHAFTING

MECHANICAL TUBE RUDDER PORTS SHALL
BE INSTALLED TO HOUSE TWO STEERING
RUDDERS WITH 2 1/2" SS RUDDER SHAFTS.
NYLON THRUST BEARING WITH GREASE
FITTINGS ON DECK. THE RUDDER TOP
WILL BE AFFIXED TO THE TILLER ARMS
BY BEING PERMANENTLY WELDING TO
A TAPERED HUB ON TOP OF RUDDER
SHAFTS. RUDDER BEARINGS ARE TO BE
NYLON TOP AND BOTTOM.

SECTION 5.4 PROPELLER

PROPELLER TO BE 4-BLADE SS, 24' OVERALL
DIAMETER. PROPELLER TO BE SIZED AND
INSTALLED IN ACCORDANCE WITH
ENGINE MANUFACTURER'S
RECOMMENDATION.

SECTION 5.5 MAIN SHAFT

PROPELLER SHAFTS TO BE 3" AQUAMET 17,
OR EQUAL

SECTION 5.6 BILGE PUMP

BILGE PUMPS SHALL BE INSTALLED TO DE-
WATER ALL INTERNAL SELF-CONTAINED
COMPARTMENTS OF THE VESSEL WITH A MIN.
CAPACITY OF 8,000 GPH.

SECTION 6.0 STEERING GEAR AND
HYDRAULICS

SECTION 6.1 STERRING UNIT

STEERING UNITL SHALL BE DUAL PUMP
WITH SELF CONTAINED TANK MOUNTED
UNITS AND ELECTRICALLY DRIVEN
BY APPROPRIATELY SIZED MOTORS.
NON-FOLLOW UP JOBS WITH RUDDER
DIAL INDICATORS TO BE LOCATED AT

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THE DESIGNATED CONTROL STATIONS.

SECTION 6.2 HYDRAULIC DECK WINCH
A2 - DRUM HYDRAULIC DECK WINCH SHALL
BE PROVIDED AND INSTALLED ON THE
BOW PER THE AGENCY'S DIRECTION ON THE
LOCATION. A SINGLE DRUM HYDRAULIC WINCH
SHALL BE INSTALLED AT THE STERN FOR
TRAWLING OR DREDGING PURPOSES.

SECTION 6.3 WINCH CONTROLS
THE HYDRAULIC WINCH CONTROLS ARE TO
BE LOCATED LOCALLY AT THE WINCH
CONTROL STATION AND WITHIN THE
PILOT HOUSE. PILOT HOUSE CONTROLS
ARE TO BE POSITIONED IN FRONT OF AFT
WINDOW.

SECTION 7.0 INSULATION
SECTION 7.1 HOUSE INSULATION
DECK HOUSE SURFACES EXPOSED SHALL BE
INSULATED WITH 3" FIBERGLASS BATTS.

SECTION 7.2 EXHAUST INSULATION
EXHAUST PIPES SHALL BE INSULATED WITH
LEWCO PIPE INSULATION, THERMAL
WRAPS, AND BLANKETS. ALL EXHAUST
FLEXES SHALL BE COVERED WITH
REMOVABLE THERMAL BLANKETING.
GENERATOR MUFFLERS TO BE INSTALLED
IN ENGINE ROOM OVERHEAD.

SECTION 7.3 AIR CONDITIONING AND
HEATING
OVERHEAD UNITS SHALL BE INSTALLED
WITH HEAT STRIPS ON PILOT HOUSE
ROOF TO SERVICE REQUIREMENTS OF
LIVING SPACE.

SECTION 8.0 CAT. 2 PIPING

SECTION 8.1 ENGINE FOUNDATIONS
THE ENGINE FOUNDATIONS SHALL BE
FITTED WITH COLLISION CHOCKS AFTER
ENGINES ARE ALIGNED AND BOLTED DOWN.
ENGINES SHALL BE BRIDGE MOUNTED WITH
METAL SHIMS.

SECTION 8.2 PIPING (GENERAL)
PIPING SHALL BE INSTALLED WHERE
IT IS ACCESSIBLE BUT NOT SUBJECT
TO DAMAGE. PIPE SHALL BE RUN DIRECTLY
WITH A MINIMUM NUMBER OF BENDS, AND
FITTINGS SHALL BE WELL - SECURED
AND SUFFICIENTLY SUPPORTED TO
PREVENT DAMAGE FROM VIBRATION.

SECTION 8.3 FILLS AND VENTS

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ALL TANKS SHALL BE VENTED, FUEL FILLS
AND VENTS TO BE SIZED IN
ACCORDANCE WITH THE APPLICABLE USCG
REGULATIONS.

SECTION 8.4 SEACHEST
SEACHEST TO BE SIZED AND INSTALLED PER
THE REQUIREMENTS OF THE MAIN DECK FIRE
MONITOR, AS SPECIFIED IN 8.10.

SECTION 8.5 BILGE SYSTEMS
BILGE PIPING TO BE 1 1/4" SCH 80
GALV. PIPE. A 2" VALVE SHALL BE
INSTALLED AT THE SEACHEST FOR
SALT WATER SUPPLY. A BILGE MANIFOLD
SHALL BE INTALLED IN ACCORDANCE WITH
THESE SPECIFICATIONS TO TAKE SUCTION
FROM ALL NECESSARY COMPARTMENTS.

SECTION 8.6 LUBE OIL SYSTEM
LUBE OIL TANK TO BE INSTALLED PER
AGENCY AT TIME OF CONSTRUCTION.

SECTION 8.7 EXHAUST PIPING
MAIN ENGINE AND GENERATOR EXHAUST
PIPING TO BE STAINLESS STEEL, SIZED
PER ENGINE REQUIREMENTS. EXHAUST
PIPING TO BE INSTALLED UTILIZING
PROPER METHODS ALLOWING FOR HEAT
EXPANSION, AND VIBRATION ABSORPTION.

SECTION 8.8 POTABLE WATER
THE BUILDER SHALL FURNISH AND
INSTALL A POTABLE WATER SYSTEM
ARRANGED TO PROVIDE A CONTINUOUS
SUPPLY OF FRESH WATER FROM STORAGE
TANKS TO THE PRESSURE PUMP. FRESH
WATER SUPPLY TO BE PROVIDED FROM
DESIGNATED POTABLE WATER TANKS.
EACH POTABLE WATER TANK SHALL HAVE
A SIGHT GAUGE INSTALLED.

SECTION 8.9 WASH WATER SYSTEM
A 2" DECK WASH DOWN SHALL BE PROVIDED
AT THE MAIN DECK, CAPABLE OF TAKING
SUCTION THROUGH THE BILGE/BALLAST
MANIFOLD.

SECTION 8.10 FIRE MONITOR
A FIRE MONITOR WILL BE INSTALLED DRIVEN
FROM A 15 HP PUMP POWERED FROM THE SHIP'S
GENERATOR. AN ADJUSTABLE NOZZLE SHALL BE
INSTALLED TO REGULATE THE FLOW AND SPRAY
FROM THE MONITOR TIP.

SECTION 8.11 SANITARY SYSTEM
BUILDER WILL INSTALL A FRESH WATER
SINK AND TOILET IN HEAD. BUILDER
SHALL SUPPLY A USCG APPROVED
MARINE SANITATION DEVICE.

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SECTION 9.0 LIFE - SAVING

SECTION 9.1 LIFE - SAVING DEVICES
BUILDER SHALL FURNISH AND INSTALL
THREE 30" LIFE RINGS AND FOUR
ADULT LIFE JACKETS.

SECTION 9.2 FIRE - FIGHTING
BUILDER SHALL FURNISH AND INSTALL
PORTABLE FIRE EXTINGUISHERS AS
REQUIRED BY USCG.

SECTION 9.3 HORN AND BELL
BUILDER SHALL FURNISH AND INSTALL
ONE DUAL TRUMPET BUELL HORN
COMPLETE WITH AMBER LIGHT AND
ONE 12" BRASS FOG BELL.

SECTION 9.4 COMPASS
ONE RITCHIE YB500 COMPASS WITH
STEEL COMPENSATING BALLS TO BE
PROVIDED AT PILOT HOUSE CONTROL
STATION.

SECTION 9.5 CHAIRS
ADJUSTABLE UPHOLSTERED CAPTAIN'S
CHAIR TO BE INSTALLED CENTERED AT
THE PILOT HOUSE CONSOLE. A SECOND
CHAIR SHALL BE INSTALLED ON THE PORT
JUST AFT OF THE DOOR. CHAIRS TO BE
COVERED WITH HEAVY - DUTY NAUGAHYDE
MATERIAL.

SECTION 10.0 JOINER

SECTION 10.1 CARPENTRY
LOCKERS SHALL BE PROVIDED FOR STORAGE
(SEE SECTION 1.10). WALLS TO BE
FURNISHED WITH FORMICA THROUGHOUT.

SECTION 10.2 FLOORING
FLOOR TO BE COVERED WITH ARMSTRONG
LINOLEUM OR EQUAL. ENGINE ROOM FLOOR
IS TO BE FRAMED WITH 2 X 3 ANGLE
WITH 3/16" DIAMOND ALUMINUM INSERTS
FOR WALKING DECK INSTALLED THEREIN.

SECTION 11.0 PAINT

SECTION 11.1 PAINT SYSTEM
PAINT SYSTEM TO BE AMERON MARINE
COATINGS, OR EQUAL. VESSEL WILL BE
SAND SWEEPED CLEAN WITH #4 GRIT BEFORE
COATINGS ARE APPLIED. COATING IS TO BE
MAXIMUM THICKNESS, PER MANUFACTURER
SPECIFICATIONS.

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ANODES -
MAGNESIUM ANODES ARE TO BE INSTALLED
BELOW WATER LINE OF THE HULL,
THE AMOUNT OF ANODES INSTALLED
SHOULD EFFECTIVELY PROTECT THE LIFE
OF THE VESSEL FOR A MINIMUM OF TWO
YEARS.

SECTION 12.0 ELECTRONICS
AN INTERGRATED GPS RADAR SYSTEM WITH
DEPTH FINDER, TWO VHF RADIOS AND A
COMPASS SHALL BE INSTALLED.

MFR: _____ MODEL: _____
ONAN MDKDP OR EQUAL (GENERATOR 3.1)

MFR: _____ MODEL: _____
CUMMINS QSB5.9 OR EQUAL (ENGINE 4.0)

MFR: _____ MODEL: _____
TWIN DISC MG 5050SC 3:1 RATIO OR EQUAL
(TRANSMISSION 4.0)

MFR: _____ MODEL: _____
AQUAMET 17 OR EQUAL (PROPELLOR 5.4)

MFR: _____ MODEL: _____
RITCHIE Y8500 OR EQUAL (COMPASS 9.4)

MFR: _____ MODEL: _____
ARMSTRONG OR EQUAL (FLOORING 10.2)

MFR: _____ MODEL: _____
AMERON OR EQUAL (PAINT SYSTEM 11.1)

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STATE OF ALABAMA
DEPARTMENT OF FINANCE
DIVISION OF PURCHASING

INVITATION TO BID ADDENDUM

FOR: BARGE / DI BIOLOGICAL

REQ. AGENCY : 004004
 DEPT OF CONSERV & NATURAL RESOURCES
AGENCY REQ. NO. : 033371
T-NUMBER :
DATE ISSUED : 07/26/10
VENDOR NO. :
VENDOR PHONE NO. :
SNAP REQ. NO. : 1444750
BUYER NAME : SUSAN JANA
BUYER PHONE NO. : (334) 242-7173

BID MUST BE RECEIVED BEFORE:
DATE: 08/12/10 TIME: 5:00 PM

BIDS WILL BE PUBLICLY OPENED:
DATE: 08/13/10 TIME: 10:00 AM

PLEASE READ ALL INSTRUCTIONS CAREFULLY

THE FOLLOWING CHANGES ARE HEREBY ADDED TO AND MADE A PART OF
(INVITATION TO BID NUMBER 2220697)

THE PURPOSE OF THIS ADDENDUM IS TO CORRECT THE BID OPENING DATE ON THE
ABOVE REFERENCED ITB.

SEE ABOVE FOR CORRECTED BID OPENING DATE.

THIS ADDENDUM IS NOT REQUIRED TO BE SIGNED OR RETURNED.

SDJ

* * * * * END OF ADDENDUM * * * * *

STATEMENT OF UNDERSTANDING

I UNDERSTAND THE ADDENDUM AND THAT IT MUST BE SIGNED IN INK AND RETURNED
(UNLESS INDICATED OTHERWISE) WITH THE BID OR SEPARATELY, PROPERLY IDENTIFIED AND
RECEIVED PRIOR TO DATE AND TIME SPECIFIED.

ADDENDUM NOTARIZATION
NOT REQUIRED

COMPANY NAME

AUTHORIZED SIGNATURE (INK)

MAIL ADDRESS

TYPE/PRINT AUTHORIZED NAME

CITY, STATE, ZIP

PHONE INCLUDING AREA CODE